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Notice of Allowability	Application No.	Applicant(s)	
	10/730,836	JUR ET AL.	
	Examiner	Art Unit	
	Anatoly Vortman	2835	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed on 12/09/03.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

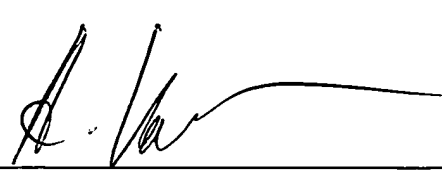
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>0905</u> . |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>12/9/03</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |



Anatoly Vortman
 Primary Examiner
 Art Unit 2835

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with **Mr. Martin J. Moran, Reg. No. 26,694 on 09/12/05.**

The application has been amended as follows:

Claim 1, line 5 of the claim, following "fastener" [adapted to connect] has been replaced with --connecting--; line 8 of the claim, following "insulating barrier" [being adapted to engage] has been replaced with --engaging--; line 9 of the claim, following "said spring" [being adapted to drive] has been replaced with --driving--.

Claim 9, line 8 of the claim, following "insulating barrier" [being adapted to engage] has been replaced with --engaging--; line 9 of the claim, following "said spring" [being adapted to drive] has been replaced with --driving--.

2. The following is an examiner's statement of reasons for allowance:

The allowability resides in the overall structure of the device as recited in independent claims 1, 9 or 12, and at least in part, because claims 1 and 12 recite: "a first low voltage power bus", "a second low voltage power bus", and "a fastener connecting the first portion of said spring to one of said first low voltage power bus and said second low voltage power bus"; and,

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claim 9 recites: “a first low voltage power bus”, “a second low voltage power bus”, and “means for disposing the first end of said spring from one of said first low voltage power bus and said second low voltage power bus”.

The aforementioned limitations in combination with all remaining limitations of the respective claims are believed to render said independent claims 1, 9, and 12 and all claims dependent therefrom patentable over the art of record.

The Examiner would like to direct the Applicant’s attention to the fact that claim 9 has invoked consideration under 35 USC 112, paragraph six, because of the recitation of the “means plus function” clause, i.e. “means for disposing”. Said “means for disposing” (i.e. a fastener) have been described on p. 4, last 6 lines, p. 5, last line, as well as shown on Fig. 3, 4, 6, and 7.

The closest reference to the present invention is believed to be the US/4,451,814 to Barry et al., (Barry).

Barry disclosed (Fig. 1-4) a fuse barrier (31, 32, 33, 35) for a fuse (27) electrically connected between a first conductor (21) and a second conductor (22), said fuse (27) having a non- interrupted state and an interrupted state, said fuse barrier (31, 32, 33, 35) comprising: a spring (35) including a first portion and a second portion; and an insulating barrier (vertical portion of spring (35)) disposed from the second portion of said spring (35), said insulating barrier engaging a portion of said fuse (27) in the non-interrupted state thereof, said spring (35) driving a portion of said insulating barrier through said fuse (27) in the interrupted state thereof (shown by dotted line), but did not disclose a first low voltage power bus and a second low voltage power bus, as required by independent claims 1, 9, and 12, or a fastener connecting the first portion of the spring to one of said first low voltage power bus and said second low voltage

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power bus, as required by independent claims 1 and 12, or means for disposing the first end of the spring from one of said first low voltage power bus and said second low voltage power bus, as required by independent claim 9.

The Examiner has cited the following pertinent to the present invention references:

US/6642834, 5130688, and 2794097 disclosed fuses with stationary arc barriers, US/3265841 disclosed fuse with movable arc barrier, US/3517366, 2934622, 2769059, 6194988, and 1761760 disclosed fuses with movable mechanical fuse link rupturing means, US/2148542; 1005517, 2284291, and JP/6-84446 disclosed fuses with biased fuse links, US/2282279 disclosed bus bar mounted fuse, and US/4050045 disclosed fuse mounted on heat sinks.

None of the cited references, either taken alone or in combination is believed to render the present invention unpatentable as claimed.

3. Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

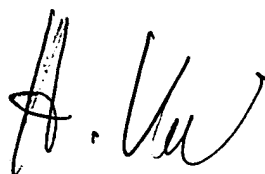
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anatoly Vortman whose telephone number is 571-272-2047. The examiner can normally be reached on Monday-Friday, between 10:00 am and 6:30 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ms. Lynn Feild can be reached on 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AV

A handwritten signature in dark ink, appearing to read 'A. Vortman', with a long horizontal line extending to the right.

Anatoly Vortman
Primary Examiner
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